# NOTIFICATION OF ADDENDUM ADDENDUM NO. 3 DATED 8/02/2013

Control	0912-31-224
Project	STP 2009(103)MM
Highway	CR
County	BRAZORIA

#### Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an adendum notification which details the changes and the respective proposal pages which were added and/ or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: STP 2009(103)MM CONTROL: 0912-31-224

COUNTY: BRAZORIA LETTING: 08/06/2013 REFERENCE NO: 0802

#### PROPOSAL ADDENDUMS

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PROPOSAL COVER

X BID INSERTS (SH. NO.: 19-19

\_ GENERAL NOTES (SH. NO.:

X SPEC LIST (SH. NO.: 4-4

\_ SPECIAL PROVISIONS:

ADDED:

DELETED:

X SPECIAL SPECIFICATIONS:

ADDED: 8835

DELETED: 8355

X OTHER: PLAN SHEETS 13C, 29.

DESCRIPTION OF ABOVE CHANGES (INCLUDING PLANS SHEET CHANGES)

BID ISNSERTS;

SHEET 19-19: REVISED ITEM 8355-2001 TO ITEM 8835-2001.

PLAN SHEETS:

SHEET 13C: REVISED E&Q SHEET TO CHANGE ITEM 8355 TO 8835.

SHET 29: REVISED ITEM NUMBER 8355 TO 8835 IN THE SUMMARY OF QUANTITIES.

	ITI	EM-COI	ЭE					DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	100	2002	002	PREPARING ROW	DOLLARS CENTS	STA	160.100	1
	104	2001		REMOVING CONC (PAV) and	DOLLARS CENTS	SY	3,292.000	2
	105	2011		REMOVING STAB BASE AND AS 6") and	DOLLARS CENTS	SY	13,673.000	3
	105	2014		REMOVING STAB BASE & ASPF	I PAV (7"-12") DOLLARS CENTS	SY	25,511.000	4
	110	2001		EXCAVATION (ROADWAY) and	DOLLARS CENTS	CY	67,693.000	5
	110	2002		EXCAVATION (CHANNEL) and	DOLLARS CENTS	CY	13,754.000	6
	132	2006		EMBANKMENT (FINAL)(DENS (	CONT)(TY C) DOLLARS CENTS	CY	76,997.000	7
	161	2017	006	COMPOST MANUF TOPSOIL (BI	P) (4") DOLLARS CENTS	SY	110,188.000	8
	162	2002		BLOCK SODDING and	DOLLARS CENTS	SY	13,908.000	9
	162	2003		STRAW OR HAY MULCH	DOLLARS CENTS	SY	110,188.000	10

	ITI	EM-COI	ЭE				DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	164	2039	002	DRILL SEEDING (PERM) (URBAN) (CLAY)  DOLLAR and  CENTS		110,188.000	11
	166	2001	001	FERTILIZER  DOLLAR and  CENTS	AC	25.730	12
	168	2001		VEGETATIVE WATERING  DOLLAR and  CENTS	MG	3,087.600	13
	260	2006	003	LIME TRT (EXST MATL) (6")  DOLLAR and  CENTS	SY	135,261.000	14
	260	2012	003	LIME(HYD,COM OR QK)(SLRY)OR QK(DR DOLLAR and CENTS	*	2,435.000	15
	276	2224		CEM TRT(PLNT MX) (CL N)(TY E)(GR 4)(6  DOLLAR and  CENTS	*	126,656.000	16
	292	2007		ASPHALT STAB BASE (GR 2)(PG 64)  DOLLAR and  CENTS	TON	4,557.000	17
	292	2017		ASPHALT STAB BASE (GR 4)(PG 64)  DOLLAR and  CENTS	TON	6,969.000	18
	305	2002		SALV, HAUL & STKPL RCL APH PV (0 TO DOLLAR and CENTS	*	6,762.000	19
	305	2003		SALV, HAUL & STKPL RCL APH PV (2 TO DOLLAR and CENTS	´	6,340.000	20
	305	2004		SALV, HAUL & STKPL RCL APH PV (4 TO DOLLAR and CENTS	-	19,539.000	21

	ITEM-CODE		ЭE				DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	305	2005		SALV, HAUL & STKPL RCL APH PV (6 TO 8")  DOLLARS and  CENTS	SY	5,905.000	22
	360	2002	003	CONC PVMT (CONT REINF-CRCP)(9")  DOLLARS and  CENTS	SY	114,796.000	23
	360	2031	003	CONC PVMT (CONT REINF-CRCP)(12")CL HES DOLLARS and CENTS	SY	36.000	24
	400	2005		CEM STABIL BKFL  DOLLARS and  CENTS	CY	4,056.000	25
	400	2016		CEMENT STAB BACKFILL (INLET OR MH) DOLLARS and CENTS	CY	38.000	26
	401	2001		FLOWABLE BACKFILL  DOLLARS and  CENTS	CY	20.100	27
	402	2001		TRENCH EXCAVATION PROTECTION  DOLLARS and  CENTS	LF	446.000	28
	416	2003	001	DRILL SHAFT (30 IN)  DOLLARS and CENTS	LF	2,700.000	29
	416	2032	001	DRILL SHAFT (TRF SIG POLE) (36 IN)  DOLLARS and  CENTS	LF	128.000	30
	416	2034	001	DRILL SHAFT (TRF SIG POLE) (48 IN)  DOLLARS and  CENTS	LF	88.000	31
	420	2019	002	CL C CONC (CAP)  DOLLARS and CENTS	CY	.200	32

	ITEM-CODE		ЭE					DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	432	2001		RIPRAP (CONC)(4 IN) and	DOLLARS CENTS	CY	2,300.000	33
	432	2002		RIPRAP (CONC)(5 IN) and	DOLLARS CENTS	CY	73.000	34
	432	2015		RIPRAP (STONE COMMON)(DRY	()(6 IN) DOLLARS CENTS	CY	258.000	35
	432	2035		RIPRAP (CONC)(6 IN) and	DOLLARS CENTS	CY	9.000	36
	432	2041		RIPRAP (STONE COMMON)(DRY	()(18 IN) DOLLARS CENTS	CY	33.000	37
	432	2084		RIPRAP (CONC) (CL B) (4") and	DOLLARS CENTS	CY	152.300	38
	450	2077	001	RAIL (HANDRAIL)(TY F) and	DOLLARS CENTS	LF	2,501.000	39
	460	2004		CMP (GAL STL 24 IN) and	DOLLARS CENTS	LF	120.000	40
	460	2009		CMP (GAL STL 48 IN) and	DOLLARS CENTS	LF	74.000	41
	462	2001	015	CONC BOX CULV (3 FT X 2 FT) and	DOLLARS CENTS	LF	551.000	42
	462	2002	015	CONC BOX CULV (3 FT X 3 FT) and	DOLLARS CENTS	LF	48.000	43

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ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ON WRITTEN IN WOR		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	462	2003	015	CONC BOX CULV (4 FT X 2 FT) and	DOLLARS CENTS	LF	1,056.000	44
	462	2004	015	CONC BOX CULV (4 FT X 3 FT) and	DOLLARS CENTS	LF	870.000	45
	462	2006	015	CONC BOX CULV (5 FT X 2 FT) and	DOLLARS CENTS	LF	1,116.000	46
	462	2007	015	CONC BOX CULV (5 FT X 3 FT) and	DOLLARS CENTS	LF	112.000	47
	462	2010	015	CONC BOX CULV (6 FT X 3 FT) and	DOLLARS CENTS	LF	52.000	48
	464	2003	006	RC PIPE (CL III)(18 IN) and	DOLLARS CENTS	LF	256.000	49
	464	2005	006	RC PIPE (CL III)(24 IN) and	DOLLARS CENTS	LF	388.000	50
	464	2007	006	RC PIPE (CL III)(30 IN) and	DOLLARS CENTS	LF	396.000	51
	464	2009	006	RC PIPE (CL III)(36 IN) and	DOLLARS CENTS	LF	820.000	52
	464	2022	006	RC PIPE (CL IV)(24 IN) and	DOLLARS CENTS	LF	200.000	53
	464	2062	006	RC PIPE (ARCH)(CL III)(DES 1) and	DOLLARS CENTS	LF	400.000	54

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ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ON WRITTEN IN WOR		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	464	2064	006	RC PIPE (ARCH)(CL III)(DES 3) and	DOLLARS CENTS	LF	160.000	55
	464	2065	006	RC PIPE (ARCH)(CL III)(DES 4) and	DOLLARS CENTS	LF	292.000	56
	465	2005	001	MANH (COMPL)(TY M) and	DOLLARS CENTS	EA	2.000	57
	465	2011	001	INLET (COMPL)(TY AD) and	DOLLARS CENTS	EA	3.000	58
	465	2013	001	MANH (COMPL)(TY A) and	DOLLARS CENTS	EA	4.000	59
	465	2110	001	INLET (COMPL)(ARMOR CURB and	SLOT) DOLLARS CENTS	EA	16.000	60
	465	2177	001	INLET (COMPL)(TY B) and	DOLLARS CENTS	EA	4.000	61
	466	2035		WINGWALL (FW-S)(HW=5 FT) and	DOLLARS CENTS	EA	1.000	62
	466	2049		WINGWALL (PW)(HW=5 FT) and	DOLLARS CENTS	EA	3.000	63
	466	2069		HEADWALL (CH-FW-0)(DIA= 36	IN) DOLLARS CENTS	EA	1.000	64
	466	2202		HEADWALL (CH-PW-A-O)(DES=	DOLLARS CENTS	EA	1.000	65

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ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ON WRITTEN IN WORI		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	467	2172		SET (TY I)(S= 3 FT)(HW= 3 FT)(6	:1)(P) DOLLARS CENTS	EA	25.000	66
	467	2173		SET (TY I)(S= 3 FT)(HW= 4 FT)(6 and	:1)(P) DOLLARS CENTS	EA	2.000	67
	467	2177		SET (TY I)(S= 4 FT)(HW= 3 FT)(6 and	:1)(P) DOLLARS CENTS	EA	47.000	68
	467	2178		SET (TY I)(S= 4 FT)(HW= 4 FT)(6 and	:1)(P) DOLLARS CENTS	EA	10.000	69
	467	2182		SET (TY I)(S= 5 FT)(HW= 3 FT)(6 and	:1)(P) DOLLARS CENTS	EA	42.000	70
	467	2183		SET (TY I)(S= 5 FT)(HW= 4 FT)(6 and	:1)(P) DOLLARS CENTS	EA	6.000	71
	467	2188		SET (TY I)(S= 6 FT)(HW= 4 FT)(6	:1)(P) DOLLARS CENTS	EA	2.000	72
	467	2209		SET (TY II)(18 IN)(RCP)(3:1)(C) and	DOLLARS CENTS	EA	27.000	73
	467	2225		SET (TY II)(30 IN)(RCP)(4:1)(C) and	DOLLARS CENTS	EA	3.000	74
	467	2227		SET (TY II)(36 IN)(RCP)(4:1)(C) and	DOLLARS CENTS	EA	2.000	75
	467	2288		SET (TY II)(24 IN)(RCP)(6:1)(P) and	DOLLARS CENTS	EA	20.000	76

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ALT	ITEM NO	DESC CODE	S.P. NO.		UNIT BID PRICE ONLY. WRITTEN IN WORDS		APPROX QUANTITIES	DEPT USE ONLY
	467	2290		SET (TY II)(30 IN)(RCP)(6:1)(P) and	DOLLARS CENTS	EA	4.000	77
	467	2292		SET (TY II)(36 IN)(RCP)(6:1)(P) and	DOLLARS CENTS	EA	16.000	78
	467	2309		SET (TY II)(48 IN)(CMP)(6:1)(P) and	DOLLARS CENTS	EA	1.000	79
	467	2361		SET (TY II)(DES 3)(RCP)(6:1)(P) and	DOLLARS CENTS	EA	6.000	80
	467	2371		SET (TY II)(DES 1)(RCP)(6:1)(P) and	DOLLARS CENTS	EA	20.000	81
	467	2373		SET (TY II)(DES 4)(RCP)(6:1)(P) and	DOLLARS CENTS	EA	12.000	82
	467	2410		SET (TY II)(DES 1)(RCP)(3:1)(P) and	DOLLARS CENTS	EA	2.000	83
	471	2003		GRATE & FRAME and	DOLLARS CENTS	EA	2.000	84
	496	2007		REMOV STR (PIPE) and	DOLLARS CENTS	LF	4,580.000	85
	500	2001	011	MOBILIZATION and	DOLLARS CENTS	LS	1.000	86

ITEM-CODE		ΓEM-CODE				DEDE	
ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS		UNIT	APPROX QUANTITIES	DEPT USE ONLY
502	2001	033	DLING		МО	15.000	87
508	2005			DOLLARS	SY	1,784.000	88
			and	CENTS			
529	2006				LF	33,842.000	89
				CENTS			
529	2007				LF	1,179.000	90
529	2071		CONC CURB (SLOTTED)	DOLLARS	LF	6,553.000	91
			and	CENTS			
530	2010	006	DRIVEWAYS (CONC)	DOLLARS	SY	7,864.000	92
			and	CENTS			
530	2011	006	DRIVEWAYS (ACP)	DOLLARS	SY	196.000	93
			and	CENTS			
531	2015		CONC SIDEWALKS (4")	DOLLARS	SY	4,335.000	94
			and	CENTS			
560	2007	001	MAILBOX INSTALL-D (TWW-POS TB	ST)TY 4 FND-	EA	5.000	95
560	2008	001	MAILBOX INSTALL-M (TWW-POSTB	ST)TY 4 FND-	EA	15.000	96
	502 502 508 529 529 530 530 531	ITEM NO         DESC CODE           502         2001           508         2005           529         2006           529         2071           530         2010           531         2015           560         2007	ITEM NO         DESC CODE         S.P. NO.           502         2001         033           508         2005	TEM NO	TIEM   DESC   S.P.   WRITTEN IN WORDS	NO	Not   Not

	ITEM-CODE		ITEM-CODE					DEPE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	560	2015	001		C)TY 4 FND- DOLLARS CENTS	EA	30.000	97
	618	2034		CONDT (PVC) (SCHD 80) (2")	DOLLARS CENTS	LF	270.000	98
	618	2035			RE) DOLLARS CENTS	LF	760.000	99
	618	2040			DOLLARS CENTS	LF	80.000	100
	618	2041			RE) DOLLARS CENTS	LF	170.000	101
	620	2007	001		DOLLARS CENTS	LF	60.000	102
	620	2008	001		DOLLARS CENTS	LF	210.000	103
	620	2009	001		DOLLARS CENTS	LF	1,260.000	104
	621	2004			G) DOLLARS CENTS	LF	1,800.000	105
	624	2014	014		PRON DOLLARS CENTS	EA	6.000	106

	ITI	EM-COI	ЭE					DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	628	2100	003	ELC SRV TY D 120/240 070 (NS)SS(E)S  DOL and  CEN	LLARS	EA	4.000	107
	636	2001	014	ALUMINUM SIGNS (TY A)  DOL and  CEN	LLARS NTS	SF	48.000	108
	644	2001		IN SM RD SN SUP&AM TY10BWG(1)S  DOL and  CEN	LLARS	EA	43.000	109
	644	2002		IN SM RD SN SUP&AM TY10BWG(1)S  DOI and  CEN	LLARS	EA	3.000	110
	644	2004		IN SM RD SN SUP&AM TY10BWG(1)S  DOI and  CEN	LLARS	EA	8.000	111
	644	2056		RELOCATE SM RD SN SUP & AM TY DOI and CEN	LLARS	EA	2.000	112
	644	2060		REMOVE SM RD SN SUP & AM  DOI and  CEN	LLARS NTS	EA	40.000	113
	662	2067		WK ZN PAV MRK REMOV (W) 4" (SLI DOI and CEN	LLARS	LF	21,314.000	114
	662	2075		WK ZN PAV MRK REMOV (W) 8" (SLI DOI and CEN	LLARS	LF	1,268.000	115
	662	2079		WK ZN PAV MRK REMOV (W) 24" (SL DOI and CEN	LLARS	LF	181.000	116
	662	2084		WK ZN PAV MRK REMOV (W) (ARRO DOL and CEN	LLARS	EA	8.000	117

	ITEM-CODE							DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	662	2094		WK ZN PAV MRK REMOV (W) (V	VORD) DOLLARS CENTS	EA	8.000	118
	662	2097		WK ZN PAV MRK REMOV (Y) 4"	(BRK) DOLLARS CENTS	LF	3,000.000	119
	662	2098		WK ZN PAV MRK REMOV (Y) 4" and	(DOT) DOLLARS CENTS	LF	88.000	120
	662	2099		WK ZN PAV MRK REMOV (Y) 4"	(SLD) DOLLARS CENTS	LF	37,588.000	121
	662	2106		WK ZN PAV MRK REMOV (Y) 24 and	" (SLD) DOLLARS CENTS	LF	1,655.000	122
	666	2003		REFL PAV MRK TY I (W) 4" (BRK and	DOLLARS CENTS	LF	7,130.000	123
	666	2006		REFL PAV MRK TY I (W) 4" (DOT	DOLLARS CENTS	LF	60.000	124
	666	2012		REFL PAV MRK TY I (W) 4" (SLD and	)(100MIL) DOLLARS CENTS	LF	25,544.000	125
	666	2036		REFL PAV MRK TY I (W) 8" (SLD and	)(100MIL) DOLLARS CENTS	LF	4,505.000	126
	666	2042		REFL PAV MRK TY I (W) 12"(SLE	D)(100MIL) DOLLARS CENTS	LF	745.000	127
	666	2048		REFL PAV MRK TY I (W) 24"(SLD and	D)(100MIL) DOLLARS CENTS	LF	784.000	128

	ITEM-CODE							DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	666	2054			100MIL) DLLARS ENTS	EA	32.000	129
	666	2069			DLLARS ENTS	EA	2.000	130
	666	2096			DOMIL) DLLARS ENTS	EA	32.000	131
	666	2111			OMIL) OLLARS ONTS	LF	7,732.000	132
	666	2126			0MIL) DLLARS ENTS	LF	6,557.000	133
	666	2132			OMIL) OLLARS ENTS	LF	1,125.000	134
	666	2141			)(100MIL) DLLARS ENTS	EA	20.000	135
	666	2189			DLLARS ENTS	LF	30,883.000	136
	666	2191			DLLARS ENTS	LF	4,490.000	137
	666	2193			DLLARS ENTS	LF	745.000	138

	ITEM-CODE							DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ON WRITTEN IN WOR	UNIT	APPROX QUANTITIES	DEPT USE ONLY	
	666	2195		PAVEMENT SEALER 24"	DOLLARS CENTS	LF	911.000	139
	666	2219		PAVEMENT SEALER (ARROW) and	DOLLARS CENTS	EA	32.000	140
	666	2220		PAVEMENT SEALER (WORD) and	DOLLARS CENTS	EA	32.000	141
	666	2224		PAVEMENT SEALER (DBL ARROand	OW) DOLLARS CENTS	EA	2.000	142
	672	2015	034	REFL PAV MRKR TY II-A-A and	DOLLARS CENTS	EA	332.000	143
	672	2017	034	REFL PAV MRKR TY II-C-R	DOLLARS CENTS	EA	597.000	144
	677	2001		ELIM EXT PAV MRK & MRKS ( 4	l") DOLLARS CENTS	LF	2,124.000	145
	677	2003		ELIM EXT PAV MRK & MRKS ( 8	B") DOLLARS CENTS	LF	388.000	146
	677	2007		ELIM EXT PAV MRK & MRKS (2	4") DOLLARS CENTS	LF	108.000	147
	677	2008		ELIM EXT PAV MRK & MRKS (A	RROW) DOLLARS CENTS	EA	4.000	148
	677	2018		ELIM EXT PAV MRK & MRKS (V	VORD) DOLLARS CENTS	EA	4.000	149

	ITEM-CODE							DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ON WRITTEN IN WORI			APPROX QUANTITIES	DEPT USE ONLY
	678	2001		PAV SURF PREP FOR MRK ( 4") and	DOLLARS CENTS	LF	39,382.000	150
	678	2003		PAV SURF PREP FOR MRK (8") and	DOLLARS CENTS	LF	4,505.000	151
	678	2004		PAV SURF PREP FOR MRK (12") and	DOLLARS CENTS	LF	745.000	152
	678	2006		PAV SURF PREP FOR MRK (24") and	DOLLARS CENTS	LF	1,853.000	153
	678	2007		PAV SURF PREP FOR MRK (ARR and	OW) DOLLARS CENTS	EA	32.000	154
	678	2008		PAV SURF PREP FOR MRK (DBL and	ARROW) DOLLARS CENTS	EA	2.000	155
	678	2018		PAV SURF PREP FOR MRK (WOF	RD) DOLLARS CENTS	EA	32.000	156
	680	2002		INSTALL HWY TRF SIG (ISOLAT	ED) DOLLARS CENTS	EA	3.000	157
	681	2001	002	TEMP TRAF SIGNALS	DOLLARS CENTS	EA	3.000	158
	682	2001	003	BACK PLATE (12 IN) (3 SEC) and	DOLLARS CENTS	EA	34.000	159
	682	2002	003	BACK PLATE (12 IN) (4 SEC) and	DOLLARS CENTS	EA	14.000	160

	ITEM-CODE							DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONI WRITTEN IN WORD		UNIT	APPROX QUANTITIES	DEPT USE ONLY
	682	2021	003		ING ONLY) DOLLARS CENTS	EA	146.000	161
	682	2022	003		ARW) DOLLARS CENTS	EA	14.000	162
	682	2023	003		DOLLARS CENTS	EA	36.000	163
	682	2024	003		RW) DOLLARS CENTS	EA	12.000	164
	682	2025	003		DOLLARS CENTS	EA	36.000	165
	682	2026	003		RW) DOLLARS CENTS	EA	20.000	166
	682	2027	003	VEH SIG SEC (12 IN) LED (RED) and	DOLLARS CENTS	EA	40.000	167
	682	2066	003		TDOWN) DOLLARS CENTS	EA	14.000	168
	684	2007			CONDR) DOLLARS CENTS	LF	2,450.000	169
	684	2009		TRF SIG CBL (TY A) (12 AWG) (4	CONDR) DOLLARS CENTS	LF	2,400.000	170
	684	2012			CONDR) DOLLARS CENTS	LF	7,950.000	171

	ITEM-CODE						DEDE
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	684	2049		TRF SIG CBL (TY A) (16 AWG) ( 3 CONDR)  DOLLARS  and  CENTS	LF	4,020.000	172
	685	2003	014	REMOVE RDSD FLASH BEACON ASSEMBLY DOLLARS and CENTS	EA	2.000	173
	685	2004	014	INSTL RDSD FLSH BEACON ASSM(SOLAR PWRD)  DOLLARS and CENTS	EA	4.000	174
	686	2017		INS TRF SIG PL AM(S) STR (TY D)  DOLLARS and  CENTS	EA	2.000	175
	686	2018		INS TRF SIG PL AM(S) STR (TY D) LUM  DOLLARS and  CENTS	EA	6.000	176
	686	2055		INS TRF SIG PL AM(S) 1 ARM (55')  DOLLARS and  CENTS	EA	2.000	177
	686	2065		INS TRF SIG PL AM(S) 1 ARM (65') LUM  DOLLARS  and  CENTS	EA	2.000	178
	687	2001	004	PED POLE ASSEMBLY  DOLLARS and  CENTS	EA	2.000	179
	730	2113	009	FULL-WIDTH MOWING  DOLLARS and  CENTS	CYC	6.000	180
	734	2002	002	LITTER REMOVAL  DOLLARS and  CENTS	CYC	6.000	181

	ITEM-CODE		ЭE				DEPT
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	USE ONLY
	740	2005	001	ANTI-GRAFFITI COATING (PERMANENT) DOLLARS and CENTS	SF	24,570.000	182
	760	2001		DITCH CLEANING AND RESHAPING (FOOT DOLLARS and CENTS	) LF	231.000	183
	1122	2002	001	ROCK FILTER DAMS (INSTALL) (TY 2)  DOLLARS and CENTS	LF	968.000	184
	1122	2009	001	ROCK FILTER DAMS (REMOVE)  DOLLARS and CENTS	LF	968.000	185
	1122	2016	001	CONSTRUCTION EXITS (INSTALL) (TY 1)  DOLLARS and  CENTS	SY	1,000.000	186
	1122	2019	001	CONSTRUCTION EXITS (REMOVE)  DOLLARS and  CENTS	SY	1,000.000	187
	1122	2049	001	BIOGRD EROSN CONT LOGS (18" DIA)INSTALL DOLLARS and CENTS	LF	869.000	188
	1122	2056	001	BIODEGRADBLE EROSION CONTROL LOG REMOV DOLLARS and CENTS		869.000	189
	3268	2043		D-GR HMA TY-D PG70-22  DOLLARS and CENTS	TON	2,177.000	190
	4036	2009		SOUND WALL (14FT)(HORIZ SCHEME)  DOLLARS and  CENTS	LF	1,755.000	191

## PROJECT STP 2009(103)MM COUNTY BRAZORIA

	ITEM-CODE		TEM-CODE				DEPT	
ALT	ITEM NO	DESC CODE	S.P. NO.	UNIT BID PRICE ONL WRITTEN IN WORD		UNIT	APPROX QUANTITIES	USE ONLY
	6007	2001		REMOVING TRAFFIC SIGNALS	DOLL ADG	EA	3.000	192
					DOLLARS CENTS			
	6266	2001	017	VIVDS PROCESSOR SYSTEM	DOLL 1 DG	EA	5.000	193
					DOLLARS CENTS			
	6266	2002	017	VIVDS CAMERA ASSEMBLY	DOLLARG	EA	18.000	194
					DOLLARS CENTS			
	6266	2003	017	VIVDS SET-UP SYSTEM	DOLL 1 DG	EA	4.000	195
					DOLLARS CENTS			
	6266	2005		VIVDS COMMUNICATION CABLE	E (COAXIAL) DOLLARS	LF	880.000	196
				and	CENTS			
	6266	2005	017		E (COAXIAL) DOLLARS CENTS	LF	3,140.000	197
	8317	2001			CABINET) DOLLARS CENTS	EA	3.000	198
	8777	2001		LED RDWY LUMINAIRE (.25KW )		EA	6.000	199
	8777	2001			DOLLARS CENTS	ĽA	0.000	199
	8835	2001		ACCESSIBLE PEDESTRIAN SIGN.	AL UNITS DOLLARS	EA	14.000	200
				and	CENTS			

CONTROL: 0912-31-224 PROJECT: STP 2009(103)MM

HIGHWAY : CR

COUNTY : BRAZORIA

#### TEXAS DEPARTMENT OF TRANSPORTATION

#### GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION JUNE 1, 2004.

STANDARD SPECIFICATIONS ARE INCORPORATED

INTO THE CONTRACT BY REFERENCE.

- ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
- ITEM 100 PREPARING RIGHT OF WAY (103)
- ITEM 104 REMOVING CONCRETE
- ITEM 105 REMOVING STABILIZED BASE AND ASPHALT PAVEMENT
- ITEM 110 EXCAVATION (132)
- ITEM 132 EMBANKMENT (100)(204)(210)(216)(400)
- ITEM 161 COMPOST (160)
- ITEM 162 SODDING FOR EROSION CONTROL (166)(168)
- ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)
- ITEM 166 FERTILIZER
- ITEM 168 VEGETATIVE WATERING
- ITEM 260 LIME TREATMENT (ROAD-MIXED) (105)(132)(204)(210)(216) (247)(300)(310)(520)
- ITEM 276 CEMENT TREATMENT (PLANT-MIXED) (204)(210)(216)(247)(300) (310)(520)
- ITEM 292 ASPHALT TREATMENT (PLANT-MIXED) (300)(301)(320)(520)(585)
- ITEM 305 SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALT PAVEMENT
- ITEM 360 CONCRETE PAVEMENT (300)(420)(421)(438)(440)(529)(585)
- ITEM 400 EXCAVATION AND BACKFILL FOR STRUCTURES (132)(401)(420)
- ITEM 401 FLOWABLE BACKFILL (421)
- ITEM 402 TRENCH EXCAVATION PROTECTION
- ITEM 416 DRILLED SHAFT FOUNDATIONS (420)(421)(440)(448)
- ITEM 420 CONCRETE STRUCTURES (400)(404)(421)(426)(427)(438)(440)
  (441)(448)
- ITEM 432 RIPRAP (247)(420)(421)(427)(431)(440)
- ITEM 450 RAILING (420)(421)(424)(440)(441)(442)(445)(446)(448)
  (540)
- ITEM 460 CORRUGATED METAL PIPE (400)(445)(476)

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ITEM 462 CONCRETE BOX CULVERTS AND STORM DRAINS (400)(420)(421)
         (424)(440)(464)(476)
ITEM 464 REINFORCED CONCRETE PIPE (400)(476)
ITEM 465 MANHOLES AND INLETS (400)(420)(421)(440)(471)
ITEM 466 HEADWALLS AND WINGWALLS (400)(420)(421)(430)(440)(464)
ITEM 467 SAFETY END TREATMENT (400)(420)(421)(430)(432)(440)(445)
         (460)(464)
ITEM 471 FRAMES, GRATES, RINGS, AND COVERS (441)(445)(448)
ITEM 496 REMOVING STRUCTURES (430)
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
ITEM 504 FIELD OFFICE AND LABORATORY
ITEM 508 CONSTRUCTING DETOURS
ITEM 529 CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (360)
         (420)(421)(440)
ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247)(260)(263)
         (275)(276)(292)(316)(330)(334)(340)(360)(421)(440)
ITEM 531 SIDEWALKS (104)(360)(420)(421)(440)(530)
ITEM 560 MAILBOX ASSEMBLIES
ITEM 618 CONDUIT (400)(445)(476)(622)
ITEM 620 ELECTRICAL CONDUCTORS
ITEM 621 TRAY CABLE
ITEM 624 GROUND BOXES (420)(421)(432)(440)(618)(620)
ITEM 628 ELECTRICAL SERVICES (441)(445)(449)(618)(620)(627)(656)
ITEM 636 ALUMINUM SIGNS (643)
ITEM 644 SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES (421)(440)
         (441)(442)(445)(634)(636)(643)(656)
ITEM 662 WORK ZONE PAVEMENT MARKINGS (666)(668)(672)(677)
ITEM 666 REFLECTORIZED PAVEMENT MARKINGS (316)(318)(662)(677)(678)
ITEM 672 RAISED PAVEMENT MARKERS (677)(678)
ITEM 677 ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS (300)
         (302)(316)
ITEM 678 PAVEMENT SURFACE PREPARATION FOR MARKINGS (677)
ITEM 680 INSTALLATION OF HIGHWAY TRAFFIC SIGNALS (610)(625)(627)
         (634)(636)(656)
ITEM 681 TEMPORARY TRAFFIC SIGNALS (628)(680)
ITEM 682 VEHICLE AND PEDESTRIAN SIGNAL HEADS
ITEM 684 TRAFFIC SIGNAL CABLES
ITEM 685 ROADSIDE FLASHING BEACON ASSEMBLIES (441)(442)(445)(449)
         (656)(687)(4003)
ITEM 686 TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (416)(421)(441)
         (442)(445)(449)
ITEM 687 PEDESTAL POLE ASSEMBLIES (445)(449)(656)(4003)
ITEM 730 ROADSIDE MOWING (421)
ITEM 734 LITTER REMOVAL
ITEM 740 GRAFFITI REMOVAL AND ANTI-GRAFFITI COATING (427)(446)
ITEM 760 CLEANING AND RESHAPING DITCHES
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REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS
                   (FORM FHWA 1273, MARCH, 1994)
WAGE RATES
SPECIAL PROVISION "PARTNERING" (000--2329)
SPECIAL PROVISION "NOTICE TO ALL BIDDERS" (000---003)
SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
                   ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (000---004)
SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
                   CONSTRUCTION CONTRACT SPECIFICATIONS" (000---006)
SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"
                   (000 - - - 009)
SPECIAL PROVISION "DEPARTMENT DIVISION MAILING AND PHYSICAL ADDRESS"
                   (000 - - - 011)
SPECIAL PROVISION "NOTICE OF CHANGES TO U.S. DEPARTMENT OF LABOR
                   REQUIRED PAYROLL INFORMATION" (000--1483)
SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--2332)
SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000--1676)
SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID
                   CONTRACTS" (000--1966)
SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000--2711)
                   (000 - 2803)
SPECIAL PROVISION "NONDISCRIMINATION" (000--2607)
                               1 (001---015)
SPECIAL PROVISION TO ITEM
SPECIAL PROVISION TO ITEM
                               2 (002 - - - 017)
SPECIAL PROVISION TO ITEM
                               3 (003---033)
                               4 \quad (004 --- 017)
SPECIAL PROVISION TO ITEM
SPECIAL PROVISION TO ITEM
                               5 (005---004)
SPECIAL PROVISION TO ITEM
                               6 (006---030)
SPECIAL PROVISION TO ITEM
                               7
                                  (007 - - - 918)
SPECIAL PROVISIONS TO ITEM
                               8 \quad (008---006)(008---013)(008---086)
                                  (008 - - - 119)
SPECIAL PROVISIONS TO ITEM
                              9
                                  (009---009)(009---015)(009---016)
SPECIAL PROVISION TO ITEM
                             100
                                  (100 - - - 002)
SPECIAL PROVISION TO ITEM
                             161 (161---006)
SPECIAL PROVISION TO ITEM
                                  (164 - - - 002)
                             164
SPECIAL PROVISION TO ITEM
                             166
                                  (166---001)
                                  (247 - - - 033)
SPECIAL PROVISION TO ITEM
                             247
SPECIAL PROVISION TO ITEM 260
                                  (260 - - - 003)
SPECIAL PROVISION TO ITEM
                             275
                                  (275 - - - 003)
SPECIAL PROVISION TO ITEM
                             300
                                  (300 - - - 039)
SPECIAL PROVISION TO ITEM
                             302
                                  (302 - - - 010)
SPECIAL PROVISION TO ITEM 316
                                  (316 - - - 016)
SPECIAL PROVISION TO ITEM
                             318
                                  (318---010)
SPECIAL PROVISION TO ITEM
                             330
                                  (330 - - - 001)
SPECIAL PROVISION TO ITEM
                             340
                                 (340 - - - 003)
SPECIAL PROVISION TO ITEM
                                  (360---003)
                             360
SPECIAL PROVISION TO ITEM
                             416
                                  (416 - - - 001)
SPECIAL PROVISION TO ITEM
                             420
                                  (420 - - - 002)
SPECIAL PROVISION TO ITEM 421 (421---035)
SPECIAL PROVISION TO ITEM
                             424
                                  (424--003)
SPECIAL PROVISION TO ITEM
                             431
                                 (431 - - -001)
                             440 (440---006)
SPECIAL PROVISION TO ITEM
SPECIAL PROVISION TO ITEM 441 (441---008)
SPECIAL PROVISION TO ITEM
                             442 (442---016)
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SPECIAL PROVISION TO ITEM 448 (448---002)
SPECIAL PROVISION TO ITEM 450 (450---001)
SPECIAL PROVISION TO ITEM 462 (462---015)
SPECIAL PROVISION TO ITEM 464 (464---006)
SPECIAL PROVISION TO ITEM 465 (465---001)
SPECIAL PROVISION TO ITEM 476 (476---003)
SPECIAL PROVISION TO ITEM 500
                               (500 - - - 011)
SPECIAL PROVISION TO ITEM 502 (502---033)
SPECIAL PROVISION TO ITEM 530 (530---006)
SPECIAL PROVISION TO ITEM 560 (560---001)
SPECIAL PROVISION TO ITEM 610 (610---015)
SPECIAL PROVISION TO ITEM 620 (620---001)
SPECIAL PROVISION TO ITEM 624 (624---014)
SPECIAL PROVISION TO ITEM 628 (628---003)
SPECIAL PROVISION TO ITEM 636 (636---014)
SPECIAL PROVISION TO ITEM 643 (643---001)
SPECIAL PROVISION TO ITEM 672 (672---034)
SPECIAL PROVISION TO ITEM 681 (681---002)
SPECIAL PROVISION TO ITEM 682 (682---003)
SPECIAL PROVISION TO ITEM 685 (685---014)
SPECIAL PROVISION TO ITEM 687 (687---004)
SPECIAL PROVISION TO ITEM
                          730 (730---009)
SPECIAL PROVISION TO ITEM 734 (734---002)
SPECIAL PROVISION TO ITEM 740 (740---001)
SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 1122 (1122--001)
SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6266 (6266--017)
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#### SPECIAL SPECIFICATIONS:

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- ITEM 1122 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS (161)(432)(556)
- ITEM 3268 DENSE-GRADED HOT-MIX ASPHALT
- ITEM 4003 SCREW-IN TYPE ANCHOR FOUNDATIONS (441)(442)(445)
- ITEM 4036 SOUND WALLS
- ITEM 6007 REMOVING TRAFFIC SIGNALS
- ITEM 6266 VIDEO IMAGING VEHICLE DETECTION SYSTEM
- ITEM 8317 BATTERY BACK-UP SYSTEM FOR SIGNAL CABINETS
- ITEM 8777 LED ROADWAY ILLUMINATION
- ITEM 8835 ACCESSIBLE PEDESTRIAN SIGNAL UNITS

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH
----- PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER
PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVELISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL
PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFICATIONS FOR THIS PROJECT.

# SPECIAL SPECIFICATION 8835

### **Accessible Pedestrian Signal Units**

- 1. **Description.** Furnish and install accessible pedestrian signal (APS) units.
- **2. Materials.** Furnish materials in accordance with the following:
  - Item 618, "Conduit"
  - Item 624, "Ground Boxes"
  - Item 682, "Vehicle and Pedestrian Signal Heads"
  - Item 684, "Traffic Signal Cables."
  - Item 688, "Pedestrian Detectors and Vehicle Loop Detectors."

Provide a 2-piece cast aluminum housing unit consisting of a base housing and a removable cover. Ensure the internal components provide a pushbutton with all the electrical and mechanical parts required for operation. Supply housing or an adapter (saddle) that conforms to the pole shape, fitting flush to ensure a rigid installation. Supply adapters of the same material and construction as the housing. Close unused openings with a weather-tight closure painted to match the housing. Provide a minimum 0.5 inch hole with an insulating bushing through the back of the housing.

Ensure the manufacturers name or trademark is located on the housing. The APS pushbutton shall be a solid state switch rated for at least 1 million operations.

Ensure APS complies with US Access Board's "Draft Guidelines for Accessible Public Rights of Way" (PROWAG) Section R306. In addition, ensure that the APS complies with and provides operation consistent with requirements of Sections 4E.09 through 4E.13 of the 2009 Edition of the Federal Highway Administration publication Manual on Uniform Traffic Control Devices.

Supply an APS (pushbutton station) that includes a pedestrian sign, a pushbutton, vibrotactile arrow and an audible speaker contained in one unit and with the following features:

- Vibrating tactile arrow with high visual contrast.
- Pushbutton locator tone with a duration of 0.15 seconds or less, repeating at 1-second intervals. The pushbutton locator tones must deactivate when the traffic control signal is operating in a flashing mode.

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The locator tones must be intensity responsive to ambient sound and be audible (a maximum of 5 dBA louder than ambient sound) up to 6 to 12 feet from the pushbutton or to the building line whichever is less.

- Speech walk message for the WALKING PERSON (symbolizing WALK) indication.
- Speech pushbutton information message.
- Unless plans require otherwise, provide each pushbutton station with a 9" X 15" sign. Use sheet aluminum with minimum thickness of 0.080 in. for information signs for push buttons.
- Audible tone walk indications consisting of ticks repeating at 8 to 10 times per second at multiple frequencies with a dominant component at 880 Hz ± 20%. It must provide an audible walk indication during the walk interval only. The audible walk indication must be from the beginning of the associated pedestrian walk phase and must have the same duration as the pedestrian walk signal except it must be possible to limit the accessible walk indication to the first 7 seconds of the walk interval when the pedestrian signal rests in walk. When the accessible walk indication is limited during rest in walk a button press during the walk interval must recall the walk interval provided the crossing time remaining is greater than the pedestrian change interval.
- Automatic volume adjustment in response to ambient traffic sound level provided up to a maximum volume of 100 dBA. Tone or voice volume measured at 3 ft from the pushbutton station shall be 2 dB minimum and 5 dB maximum above ambient noise level and shall be responsive to ambient noise level changes.
- The pushbutton must be Americans with Disabilities Act compliant and activate both the walk interval and accessible pedestrian signal.
- Actuation indicator-tone and light.
- Extended button press which can be used to request a louder WALK signal and locator tone for subsequent clearance interval.
- Weather-resistant speaker protected by a vandal resistant screen.
- Capable of operating at, as a minimum, up to 1000 ft (AWG #12) cable run from signal cabinet
- Pushbutton station and Central control unit shall be rated for the following temperature range:

Pushbutton station: -30°F to +155°F. Central Control Unit: -30°F to +165°F

APS units shall be operationally compatible with TS1, TS2, 170 and 2070 controllers and cabinet assemblies, currently used by the Department and any other Texas government entities. In the case of conflicts between specifications, the latest Department specifications will control.

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Unless specified otherwise in the plans, supply a central control unit (CCU) for the pushbutton stations that resides in the Traffic Signal Controller Cabinet. Provide a CCU capable of controlling up to 4 pedestrian phases and 12 Pushbutton stations. Ensure that all inputs and outputs on the CCU have Transient Voltage Protection.

If plans specify that the APS will require no additional space or wiring in the cabinet, provide one control unit per push button station capable of mounting in the pedestrian signal housing.

If a special device or software is required to configure the APS operation, provide a minimum of one device or copy of software per signal cabinet along with any required connectors, unless required otherwise by the plans.

Provide any wiring harnesses, connectors, interface cables, terminal blocks, etc. required for connecting the pushbutton station or CCU to the traffic signal controller assembly and making the Pushbutton stations operational.

- 3. Construction. Unless specified otherwise, wire the APS to the nearest splicing point or terminal strip using stranded No. 12 AWG XHHW wire with 600-volt insulation. Do not use terminal connections or splice wire leads except in the hand holes located in the signal pole shaft, in the signal pole base, or at locations approved by the Engineer. All allowed splices must be watertight. Attach wires to terminal posts with solderless terminals. Attach terminals to the wires with a ratchet-type compression crimping tool properly sized to the wire. Remove any burrs or rough edges on any holes drilled for wire entry to APS pushbuttons. Ensure pushbutton stations are mounted at the proper height and orientation. Provide a neat workmanship in the installation of any wiring harnesses, control units, wiring panels, push button stations. Follow manufacturer's recommendations regarding installation and weatherproofing.
- **4. Documentation Requirements.** Each APS shall be provided with the following documentation:
  - Complete and accurate installation wiring guide.
  - Contact name, address, and telephone number for the representative, manufacturer, or distributor for warranty repair.
  - If requested supply schematics for all electronics. One schematic diagram shall be provided for pushbutton stations, panels, central control units or control units, along with any necessary installation instructions.
- **5. Warranty** The APS unit shall be warranted against any failure due to workmanship, material defects or intensity within the first 60 months of field operation. APS unit shall operate as required above after 60 months of continuous use over the temperature range of -30°F to +165°F in a traffic signal operation. The contractor shall provide a written manufacturer warranty against defects in materials and workmanship for APS unit for a period of 60 months after installation.

Replacement of APS units shall be provided within 5 days after receipt of failed module(s) at no cost to the Department, except the cost of shipping the failed modules.

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- **6. Measurement.** This Item will be measured by each APS pushbutton station installed.
- 7. **Payment.** The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Accessible Pedestrian Signal Units" of the type specified. This price is full compensation for furnishing, installing, and testing the detectors, including mounting hardware, pushbutton stations, central control units, wiring harnesses, and configuration devices or software. The 2 conductor cable from the signal cabinet to the pushbutton station shall be paid for under Item 684, "Traffic Signal Cables".

The sign attached to the APS unit will not be measured or paid for directly but will be subsidiary to this Item.

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